

**ABSTRACT OF THE DISCLOSURE**

This invention describes methods of using anti-B cell antibodies, preferably anti-CD20 antibodies, and most preferably Rituximab, to treat B cell lymphomas of the brain, especially primary central nervous system lymphomas (PCNSLs), and to prevent meningeal relapse. The antibodies can be administered intrathecally alone, or in combination with other chemotherapeutics, such as methotrexate, or other anti-B cell antibodies to treat PCNSL in both immunocompromised and non-immunocompromised patients. These antibodies can also be used to diagnose patients with CNS lymphoma, especially in immunocompromised patients.

DRAFT EDITION